



OCEANOGRAPHIC UNIT TWO  
USNS DUTTON (T-AGS-22)  
FLEET POST OFFICE  
SAN FRANCISCO 96601

~~SECRET~~

OCU2/XO:rgc  
5750  
Ser S3-80  
20 FEB 1980

~~SECRET~~ - Unclassified upon removal of enclosure (3)

From: Commanding Officer, Oceanographic Unit TWO (UIC 0338A)  
To: Director of Naval History (OP-09B9)

Subj: Oceanographic Unit TWO 1979 Command History

Ref: (a) OPNAVINST 5750.12B

Encl: (1) Basic History  
(2) Documentary Annex Listing  
(3) Documentary Annexes

1. Enclosures (1) through (3) are submitted in accordance with reference (a).

M. A. McCALLISTER

Copy to: (w/o encl (3))  
COMNAVOCEANO (Code 130)

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*Log 1887 (2-25)*

DECLASSIFIED IAW: E.O. 12958 & OPNAVINST 5513.16 (SERIES)

UNCLASSIFIED

## OCEANOGRAPHIC UNIT TWO BASIC HISTORY - 1979

### 1. Command Organization.

#### a. Commanding Officer and Dates of Command.

Lieutenant Commander John V. ROWNEY, USN,  
(b) (6) /1800, 8 August 1978 to 4 September 1979.

Lieutenant Commander Michael A. McCALLISTER, USN,  
(b) (6) /1800, 4 September 1979 to Present.

#### b. Mission and Function. The mission of Oceanographic Unit TWO is to conduct hydrographic survey operations in the North Pacific Ocean in support of the Ocean Survey Program. Oceanographic Unit TWO is permanently embarked on board USNS DUTTON (T-AGS-22).

#### c. Command Relationships. Administrative and type command functions are exercised by Commander, Naval Oceanographic Office. Technical support for survey equipment is as follows:

Gravity and Magnetics:  
Naval Oceanographic Office  
Bay St. Louis, MS

Communications:  
Naval Electronic Systems Engineering  
Command, Washington, DC

All other Survey Equipment:  
Naval Air Development Center  
Warminster, PA

Oceanographic Unit TWO reports operationally and administratively to the Commander, Naval Oceanographic Office. Survey systems cognizance is under the Naval Air Development Center. USNS DUTTON reports operationally and administratively to Commander, Military Sealift Command, Pacific.

#### d. Homeport. Oceanographic Unit TWO is permanently homeported in San Francisco, CA.

#### e. Composition. Oceanographic Unit TWO is composed of three groups of personnel:

(1) Naval officers and enlisted men

(2) Civilian Oceanographers and Geophysicists from the Naval Oceanographic Office (NAVOCEANO).

Enclosure (1)  
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(3) Civilian Technician Representatives

f. Oceanographic Unit TWO Allowance.

Officers:	3
Enlisted:	25
NAVOCEANO Personnel:	10
Civilian Technicians:	4

2. Chronological Summary of Oceanographic Unit TWO Operations.

01 JAN: Inport Pearl Harbor, HI for routine port visit

02 - 30 JAN: Underway for SURVOP 03-79

30 JAN - 06 FEB: Inport Pearl Harbor, HI for routine port visit

06 FEB - 06 MAR: Underway for SURVOP 04-79

06 - 16 MAR: Inport Oakland Naval Supply Center for routine port visit

16 MAR - 16 APR: Inport San Francisco, CA (Bethlehem Shipyard) for annual overhaul

16 MAR: Sonar Dome casualty (CASREP, amplifying messages, and photos documented in enclosure (2))

16 APR - 13 MAY: Inport Richmond, CA (Wilamette Shipyard) for Sonar Dome repairs

13 - 18 MAY: Inport Oakland Naval Supply Center for routine port visit

18 - 20 MAY: Underway for Sea Trials

20 - 24 MAY: Inport Port Hueneme, CA for routine port visit

24 MAY - 21 JUN: Underway for SURVOP 05-79

28 - 29 MAY: Under surveillance by Soviet aircraft

21 - 28 JUN: Inport Yokohama, JA for routine port visit

28 JUN - 26 JUL: Underway for SURVOP 06-79; four United States Naval Academy midshipmen embarked (first time in history USNA midshipmen underwent their summer cruise aboard a deep ocean survey ship of the Military Sealift Command).

09 JUL: Entered Adak, AK for MEDEVAC of one MSC sailor

26 JUL - 02 AUG: Inport Yokosuka, JA for routine port visit

02 - 30 AUG: Underway for SURVOP 07-79

30 AUG - 10 SEP: Inport Pearl Harbor, HI for routine port visit

04 SEP: Change of Command: LCDR John V. ROWNEY relieved by LCDR Michael A. McCALLISTER

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10 SEP - 05 OCT: Underway for SURVOP 08-79  
05 - 12 OCT: Inport Pearl Harbor, HI for routine  
port visit  
12 OCT - 11 NOV: Underway for SURVOP 01-80  
11 - 19 NOV: Inport Yokosuka, Japan for routine port  
visit  
19 NOV - 19 DEC: Underway for SURVOP 02-80  
19 - 28 DEC: Inport Pearl Harbor, HI for routine port  
visit  
28 - 31 DEC: Underway for SURVOP 03-80

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OCEANOGRAPHIC UNIT TWO  
COMMAND HISTORY DOCUMENT LISTING

<u>LETTER/SERIAL/DATE</u>	<u>REPORT SUBJ</u>	<u>ENCLOSURES</u>
S1-79 of 30 JAN 79	SURVOP 03-79	(1, w/o narrative), (2)
S3-79 of 06 MAR 79	SURVOP 04-79	(1, w/o narrative), (2)
OCU2 MSG 160230Z MAR 79	Sonar Dome Damage	N/A
USNS DUTTON 160130Z MAR 79	CASREP 79-002	N/A
USNS DUTTON 201920Z MAY 79	CASCOR 79-002	N/A
Photo Packet/26 prints	Sonar Dome Damage	N/A
NAVOCEANO ltr ser 013 of 16 MAY 79	Command Inspec- tion	(1)
S5-79 of 21 JUN 79	SURVOP 05-79	(1, w/o narrative), (2)
S7-79 of 26 JUL 79	SURVOP 06-79	(1, w/o narrative), (2)
S6-79 of 26 JUL 79	MDSN TRNG RPT	N/A
News Release	MDSN CRUISE	N/A
S9-79 of 30 AUG 79	SURVOP 07-79	(1, w/o narrative), (2)
S11-79 of 05 OCT 79	SURVOP 08-79	(1, w/o narrative), (2)
S13-79 of 11 NOV 79	SURVOP 01-80	(1, w/o narrative), (2)
S14-79 of 19 DEC 79	SURVOP 02-80	(1, w/o narrative), (2)

Enclosure(2)  
UNCLASSIFIED

**DECLASSIFIED IAW: E.O. 12958 & OPNAVINST 5513.16 (SERIES)**

PTTUZYUW RUWNQYF0368 0750230-UUUU--RUHPSUU.  
ZNR UUUUU

P 160230Z MAR 79  
FM OCEANOUNIT TWO  
TO NAVOCEANO BAY ST LOUIS MS  
INFO NADC WARMISTER PA  
BT

UNCLAS //N09670//  
SONAR DOME DAMAGE.

1. DURING DRY DOCKING OF USNS DUTTON EXTENSIVE DAMAGE WAS DONE TO THE PROJECTOR ARRAY TRANSDUCERS AND DOME, FORWARD PDR DOME AND WINDOW AND LESS DAMAGE TO THE HYDROPHONE ARRAY.
2. PRELIMINARY INVESTIGATION REVEALS APPROX TEN (10) PROJECTOR TRANSDUCERS TORN LOOSE FROM THERE RAILS. THREE OF THE TRANSDUCER WERE ON THE FLOOR OF THE DRY DOCK AND NOT HANGING BY THERE CABLES. THE PROJECTOR DOME WAS DESTROYED; EXTENSIVE DAMAGE TO TRANSDUCER. FORWARD EM LOG SWORD GUIDE MAYBE OUT OF ALIGNMENT. EXTENT OF DAMAGE TO HYDROPHONE ARRAY UNKNOWN UNTIL DOME REMOVED. DOME AND WINDOW DAMAGED.
3. DETAIL REPORT WITH PHOTOS FOLLOWS.

BT  
#0368

NNNN

Emo 1 CO 1 XO 1

MASTER \_\_\_\_\_  
CH. ENGR. \_\_\_\_\_  
CO OCUNIT II \_\_\_\_\_  
1ST OFF. \_\_\_\_\_  
PURSER \_\_\_\_\_  
CH. STEWD: \_\_\_\_\_  
YEOMAN/STKPR. \_\_\_\_\_

for MSCPA00258Z

OTTUZYUW RUWNQYF0335 0760055-UUUU--RHHMSUU.  
ZNR UUUUU  
C 160130Z MAR 79  
FM JSNS DUTTON  
TO ZEN/COMSCPAC OAKLAND CA  
INFO COMSC WASHINGTON DC  
CNO WASHINGTON DC  
CINCPACFLT PEARL HARBOR HI  
NAVSAFECEN NORFOLK VA  
FLEMATSUPPO MECHANICSBURG PA  
COMNAVSEASYS COM WASHINGTON DC  
COMNAVLOGPAC PEARL HARBOR HI  
CHNAVMAW WASHINGTON DC  
ZEN/NSC OAKLAND CA  
SPCC MECHANICSBURG PA  
NAVOCEANO BAY ST LOUIS MS  
ZEN/OCEANOUNIT TWO  
NADC WARMINSTER PA  
BT

UNCLAS //N03040//

CASREP TAGS 22 DUTTON/N74022/70-002

ALFA (1) BATHYMETIC SURVEY SYS: SASS AND FWD PDR.  
(2) NA  
(3) A. SASS APL 289990001  
B. PDR APL 79148401  
(4) A. SASS NSSNF PROJECT 95-5  
B. PDR 192D-1  
(5) BETHLEHEM SHIPYARD NO

BRAVO (1) C-4  
(2) CAN COMPLETE PRESENT ASSIGNMENT ROH BETHLEHEM SHIPYARD  
SAN FRANCISCO, CA

CHARLIE ETR DETERMINED UPON FURTHER EXAMINATION AND EVALUATION  
DELTA LOSS OF ALL BATHYMETIC SURVEY CAPABILITY.

ECHO DAMAGE DURING DRY DOCKING

GOLF (A) OUTSIDE ASSISTANCE REQ TO DETERMINE EXTENT OF DAMAGE  
AND MATERIAL LISTED NSSNF PROJECT 95-5 TECH MANUAL.  
(B) NA  
(C) 1. NOT COVERED  
2. NA  
3. NA  
4. NA  
5. NA

HOTEL ROH BETHLEHEM SHIPYARD SAN FRANCISCO CA 10 APR 79.

BT  
#0335

(20)  
T-044  
ACT COG INFO  
P4E 100 P2  
P3R  
P3T  
P4S  
P5  
P00/01  
P018  
P11  
0  
00002

Es  
IMMEDIATE

NNNN

PTTUZYUW RUWNQYF0803 1401920-UUUU--RUHPSUU.

ZNR UUUUU

P 201920Z MAY 79

FM USNS DUTTON

TO COMSCPAC OAKLAND CA

INFO COMSC WASHINGTON DC

CNO WASHINGTON DC

CINCPACFLT PEARL HARBOR HI

NAVSAFECEN NORFOLK VA

FLEMATSUPPO MECHANICSBURG PA

COMNAVSEASYS COM WASHINGTON DC

COMNAVLOGPAC PEARL HARBOR HI

CHNAVMAT WASHINGTON DC

NSC OAKLAND CA

SPCC MECHANICSBURG PA

NAVOCEANO BAY ST LOUIS MS

ZEN/OCEANOUNIT TWO

NADC WARMINSTER PA

BT

UNCLAS //N03040//

CASCOR TAGS 22 DUTTON/N74022/79-002

BATHYMETRIC SURVEY SYS: SASS AND FWD PDR.

DELAY SEA 000 HRS

PORT 37 DAYS

REPAIR TIME SHORESIDE 37 DAYS

TOTAL REPAIR TIME 37 DAYS

BT

0803

WCA	NPL
2029Z	8333
20 MAY 79	

NNNN



U.S. NAVAL OCEANOGRAPHIC OFFICE  
NSTL STATION  
BAY ST. LOUIS, MISSISSIPPI 39522

IN REPLY REFER TO  
Ser 013/102054  
16 May 1979

RETAIN →

CO	
XO	
EMO	
LMO	

From: Commander, Naval Oceanographic Office  
To: Commanding Officer, Oceanographic Unit TWO  
Subj: Command Inspection of Oceanographic Unit TWO;  
report of  
Ref: (a) NAVOCEANO INST 5041.2A  
Encl: (1) Deficiency List

1. A Command Inspection of Oceanographic Unit TWO was conducted in accordance with reference (a) on board USNS DUTTON (T-AGS 22) in Richmond, California during 8-9 May 1979. The inspecting party consisted of:

LCDR (b) (6) USN, NAVOCEANO  
SK1 (b) (6) USN, NAVOCEANO  
YN1 (b) (6) USN, NAVOCEANO  
HML (b) (6) USN, MSC PAC

2. Oceanographic Unit TWO was very well prepared for this inspection and is assigned an overall grade of Excellent. The following specific areas are deserving of special recognition as being Outstanding:

- a. Training.
- b. Medical Department.
- c. Financial Management.
- d. Appearance of Oceanographic Unit TWO spaces.

(b) (6)

By direction

## DEFICIENCY LIST

Item designations refer to enclosure (1) to reference (a), "Guide for Conduct of OCEANOUNIT Command Inspection".

### I. ADMINISTRATION

- A.3.a Two instructions dated 1970 and 1971 need to be reviewed and revised. It is understood that this review is in progress.
- A.8.a The last change entered in the Joint Travel Regulations was #280 of June 1976. This publication needs to be updated.
- A.8.h Changes to the Standard Navy Distribution List, Part II and Catalogue of Naval Shore Activities issued since 1 January 1979 have not been received.
- A.8.s The latest Career Counseling Manual and related materials need to be procured and an effective program established.
- B.4

### II. COMMUNICATIONS

- A.1 The new Emergency Action Plan needs to be completed and implemented. Drills in its execution should be incorporated into the Unit Training program.
- D.2 The administration of the COMTAC Publications library needs to be improved. The present Control Petty Officer needs to learn his duties in this regard and must insure that this knowledge is passed to his relief.

### III. MEDICAL DEPARTMENT

- A.4.a Publication is out of date. Revised copy is on order.
- A.4.e Publication is out of date. Revised chapters are on order.
- C.5 This is an additional item to the inspection guide. The forward medical storeroom should be relocated. Space 04-85-2 would provide a more suitable location. A work request has been submitted for this relocation but must be followed up until action is completed.

Encl (1) to NAVOCEANO ltr  
ser 013/102054 of 16 MAY 1979

IV. SUPPLY DEPARTMENT

B.2.d Some material completed documents were found misfiled in the material outstanding file. These two files should be reviewed for correct filing.

B.4 A random sample of stock record cards indicated a 100% accuracy as to location and a 95% accuracy as to quantity. In order to insure maintaining these accuracy levels, a written inventory schedule should be established in accordance with NAVSUP P-485, paragraphs 6062 and 6064.

A number of stock record cards were found to lack required information. Updating these cards is a time consuming project. It is recommended that the record card be checked for completeness each time an issue from stock is made. Stock record cards should be maintained in SIM and Non-SIM categories in accordance with NAVSUP P-485 paragraph 6168.

V. ELECTRONICS

D.1 An inventory of all technical manuals should be maintained. A list of required technical manuals should be generated using the Ship's Equipment Configuration Accounting System (SECAS) and General Purpose Test Equipment (GPTE) allowance as reference documents.

D.4 Although the NAVSEA Journal and Electronic  
D.6 Information Bulletin are available, it does not appear that they are being read by many of the ET's. These publications are valuable educational material and their use should be encouraged.

VI. OPERATING EFFICIENCY

B.6 Item D.1 of the electronics section applies.

## MIDSHIPMEN CRUISE WITH DUTTON

For the first time in history, midshipmen from the U.S. Naval Academy underwent their summer training cruise aboard deep ocean survey ships of the Military Sealift Command. Four midshipmen, two male and two female, were assigned to USNS DUTTON (T-AGS-22) operating in WESTPAC. The midshipmen aboard DUTTON were attached to the embarked Navy command, Oceanographic Unit TWO, and were on board for a full 28-day survey operation (SURVOP). The midshipmen are all oceanography majors at Annapolis and stood watches in Oceanographic Unit TWO's scientific spaces as the ship collected bathymetric, magnetic, and gravity data. They also stood introductory watches on DUTTON's bridge and in engineering spaces. It was truly a unique experience both for the midshipmen and the crew of Oceanographic Unit TWO and DUTTON.